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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/892,875	06/28/2001	Hidenori Yokokura	35.C15503	3046

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EXAMINER	
PATEL, DHAIRYA A	
ART UNIT	PAPER NUMBER
2151	

DATE MAILED: 09/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/892,875	YOKOKURA, HIDENORI	
	Examiner	Art Unit	
	Dhairya A Patel	2151	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *28 June 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☐ Claim(s) _____ is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-30* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *28 June 2001* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Application number 09/892,875 was filed on 6/28/2001. Claims 1-30 are subject to examination.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 2F, 1F. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

In figure 1, there are reference characters 2F and 1F which is not mentioned in the description.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Multi-functional network device and a network system.

4. The disclosure is objected to because of the following informalities: spelling Paragraph 32 line 8, the description says, "LAM" instead it should have been "LAN". Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

5. Claims 1-5,7-18,20-30 rejected under 35 U.S.C. 102(e) as being anticipated by Yamamoto et al., U.S. Patent # 6,553,431 (hereinafter Yamamoto).

6. As per claim 1, Yamamoto teaches a multifunctional device (column 22 line 9) (figure 29) connected to a network and having a plurality of functions including at least a first function (column 22 lines 18-27) and a second function (column 22 lines 25-27), said device comprising:

-registration means for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2) and registering the information in said directory server (column 22 lines 46-49)(column 22 lines 7-12).

-generation means for generating information on a third function (column 29 line 34) realized by combining said first function and second function; and (column 29 lines 34-44).

-control means for registering the information generated by said generation means in said directory server by said registration means. (Column 22 lines 47-49).

7. As per claim 2, Yamamoto teaches a device according to claim 1 wherein said control means registers either said first function or said second function in said directory server by said registration means. (Column 22 lines 47-49)(Column 23 lines 34-37).

8. As per claim 3, Yamamoto teaches a device according to claim 1 wherein said first function is a printer function for providing a printer service. (Column 22 lines 18-27).

9. As per claim 4, Yamamoto teaches a device according to claim 1 wherein said second function is a scanner function providing a scanner service. (Column 22 lines 25-27).

10. As per claim 5, Yamamoto teaches a device according to claim 1, wherein said third function is a copy function for providing a copy service. (Column 29 lines 34-36).

11. As per claim 7, Yamamoto teaches a network device (column 22 line 9) (figure 29) connected to a network and having a plurality of functions including at least a first function (column 22 lines 18-27) and a second function (column 22 lines 25-27), said device comprising:

-registration means for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2), and registering the information in said directory server (column 22 lines 46-49) (column 22 lines 7-12);

-generation means for generating information on a third function (column 29 line 34) realized by combining said first function and second function; and (column 29 lines 34-44).

-control means for registering the information generated by said generation means in said directory server by said registration means. (Column 22 lines 47-49).

12. As per claim 8, Yamamoto teaches a network device (column 22 line 9) (figure 29) which provides at least a first function (column 22 lines 18-27) comprising:

-registration means for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2), and registering the information in said directory server (column 22 lines 7-12, lines 46-49);

-selection means for selecting another network device on said network; (column 29 lines 36-42)

-generation means for generating information on a third function (column 29 line 34) realized by combining a second service of the network device selected by the said selection means with said first service (column 29 lines 34-44).

-control means for registering the information generated by said generation means in said directory server by said registration means. (Column 29 lines 56-64).

13. As per claim 9, Yamamoto teaches a device according to claim 8 wherein said

selection means selects the device based on a location of said another device. (Column 29 lines 36-39).

14. As per claim 10, Yamamoto teaches a device according to claim 9 wherein said selection means selects the device based on a location registered in said directory server. (Column 29 lines 52-60).

15. As per claim 11, Yamamoto teaches a device according to claim 8 wherein said first service is a printer service or a scanner service. (Column 22 lines 18-27).

16. As per claim 12, Yamamoto teaches a device according to claim 8 wherein said second service is a printer service or a scanner service. (Column 22 lines 25-27).

17. As per claim 13, Yamamoto teaches a device according to claim 8 wherein said third service is a remote copy service. (Column 29 lines 34-36).

18. As per claim 14, it is a method version of claim 1 and also it does not teach or further define over the limitations recited in claim 1. Therefore claim 14 is rejected under same basis as claim 1.

19. As per claim 15, it is a method version of claim 2 and also it does not teach or further define over the limitations recited in claim 2. Therefore claim 15 is rejected under same basis as claim 2.

20. As per claim 16, it is a method version of claim 3 and also it does not teach or further define over the limitations recited in claim 3. Therefore claim 16 is rejected under same basis as claim 3.

21. As per claim 17, it is a method version of claim 4 and also it does not teach or

further define over the limitations recited in claim 4. Therefore claim 17 is rejected under same basis as claim 4.

22. As per claim 18, it is a method version of claim 5 and also it does not teach or further define over the limitations recited in claim 5. Therefore claim 18 is rejected under same basis as claim 5.

23. As per claim 20, it is a method version of claim 7 and also it does not teach or further define over the limitations recited in claim 7. Therefore claim 20 is rejected under same basis as claim 7.

24. As per claim 21, it is a method version of claim 8 and also it does not teach or further define over the limitations recited in claim 8. Therefore claim 21 is rejected under same basis as claim 8.

25. As per claim 22, it is a method version of claim 9 and also it does not teach or further define over the limitations recited in claim 9. Therefore claim 22 is rejected under same basis as claim 9.

26. As per claim 23, it is a method version of claim 10 and also it does not teach or further define over the limitations recited in claim 10. Therefore claim 23 is rejected under same basis as claim 10.

27. As per claim 24, it is a method version of claim 11 and also it does not teach or further define over the limitations recited in claim 11. Therefore claim 24 is rejected under same basis as claim 11.

28. As per claim 25, it is a method version of claim 12 and also it does not teach or

further define over the limitations recited in claim 12. Therefore claim 25 is rejected under same basis as claim 12.

29. As per claim 26, it is a method version of claim 13 and also it does not teach or further define over the limitations recited in claim 13. Therefore claim 26 is rejected under same basis as claim 13.

30. As per claim 27, Yamamoto teaches a computer program (column 22 lines 14-16) executed by a computer of a multifunctional device (column 22 line 9) (figure 29) connected to a network and having a plurality of functions including at least a first function (column 22 lines 18-27) and a second function (column 22 lines 25-27), said program comprising:

-a registration step for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2) and registering the information in said directory server (column 22 lines 7-12, lines 46-49).

-a generation step for generating information on a third function (column 29 line 34) realized by combining said first function and second function; and (column 29 lines 34-44).

-a control step for registering the information generated by said generation step in said directory server by said registration step. (Column 22 lines 47-49).

31. As per claim 28, Yamamoto teaches a computer readable storage medium

(column 22 lines 13-15) in which the computer program according to claim 27 is stored. (Column 22 lines 13-16).

32. As per claim 29, Yamamoto teaches a computer program (column 22 lines 14-16) executed by a computer of a network device (column 22 line 9) (figure 29) which provides at least a first function (column 22 lines 18-27) comprising:

-a registration step for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2), and registering the information in said directory server (column 22 lines 7-12, lines 46-49);

-a selection step for selecting another network device on said network; (column 29 lines 36-42)

-a generation step for generating information on a third function (column 29 line 34) realized by combining a second service of the network device selected by the said selection step with said first service (column 29 lines 34-44).

-a control step for registering the information generated by said generation step in said directory server by said registration step. (Column 29 lines 56-64).

33. As per claim 30, Yamamoto teaches a computer readable storage medium (column 22 lines 13-15) in which the computer program according to claim 29 is stored. (Column 22 lines 13-16).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

34. Claims 6,19 rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto et al., U.S. Patent # 6,553,431 (hereinafter Yamamoto) in view of Arnold et al., U. S. Patent # 6,167,449 (hereinafter Arnold).

35. As per claim 6, Yamamoto teaches a device according to claim 1 but does not teach said network protocol is SLP or LDAP.

Arnold teaches the said network protocol is SLP or LDAP (column 3 lines 40-45). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to implement Arnold's use of network protocol of SLP or LDAP in order to update and search service directories running over TCP/IP in large internets.

The motivation for doing so would have been to use SLP or LDAP as a protocol that provides a dynamic configuration mechanism for applications in LAN and enterprise networks.

36. As per claim 19, it is a method version of claim 6 and also it does not teach or further define over the limitations recited in claim 6. Therefore claim 19 is rejected under same basis as claim 6.

Conclusion

37. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a) "Multifunctional machine equipped with jam recovery device and selective jam recovery method" U. S. Patent # (6,081,341) by Kim; Kwang-Seuk.

b) "Data Processing apparatus, data processing method, and storage medium storing computer readable medium" U.S. Patent # (6,642,943) by Machida; Haruo.

38. A shortened statutory period for response to this action is set to expire **3 (three) months and 0 (zero) days** from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the applicant (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b)).

39.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dhairya A Patel whose telephone number is 703-305-0457. The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on 703-305-6687. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAP

ZARNI MAUNG
PRIMARY EXAMINER